



June 2, 1999

Letter to: All Cummins Authorized US Distributors and Branches
All Cummins Authorized US Dealers and Service Centers
All Cummins Authorized Rebuild & Repair Facilities

Attention: Branch Manager
Service Manager
Parts Manager
Warranty Manager

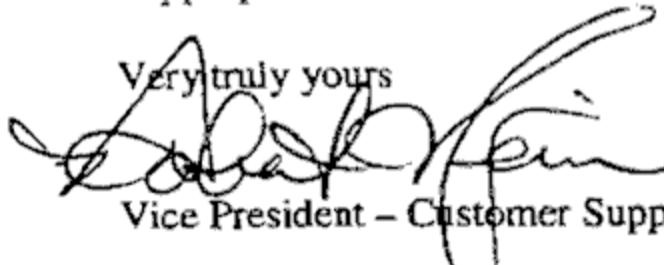
Subject: Cummins Low NOx Engine Rebuild Program Overview

On October 22, 1998 Cummins Engine Co., Inc. along with the other "Settling Engine Manufacturers" entered into individual "Consent Decrees" resulting from lengthy negotiations with the EPA and CARB regarding the methods used to control diesel engine timing and emissions in both urban and rural operation. You have probably seen information on this agreement from Cummins and in the trade press.

Attached to this letter is additional information on the Cummins "Low NOx Field Rebuild program" which has been developed as a result of this agreement. This information will be important to you as you service and rebuild Cummins On-highway Automotive Engines with the data plate indicating a "Date of Manufacture" between 1993 to 1998. Included as attachments to this letter is information on the following:

- A. General Low NOx Rebuild Information
 - 1. Low NOx Rebuild Program Overview
 - 2. What is a Low NOx Rebuild?
 - 3. When is a Low NOx Rebuild required?
 - 4. Who is responsible and how is it enforced?
 - 5. What engine models & build years are covered or exempted?
 - 6. Where will the Low NOx Rebuild be required?
 - 7. When will Low NOx Kits (Calibrations) be available
 - 8. Impact (Performance, MPG, Soot, Rebuild Cost, etc)
 - 9. How do I get answers or help?
 - 10. ECM Calibration Reimbursement procedure
- B. Parts Information (Low NOx Rebuild Kit)
- C. EPA Letter to Rebuilder
- D. List of ECM Recalibration Facilities

This letter is intended to provide you with an overview of our plans to implement the Low NOx Rebuild Program for Cummins Engines. Additional detailed information (including a Service Parts Topic and a Warranty Alert) will be provided to you in the 1 to 2 month period prior to the availability of the first Low NOx Kits. Please route this information to others at your location as appropriate.

Very truly yours

Robert H. Finch
Vice President - Customer Support

ATTACHMENT A GENERAL LOW NO_x REBUILD INFORMATION

1. Low NO_x Rebuild Program Overview - Cummins has established the Low NO_x Rebuild Program in order to comply with the Field Engine Rebuild Section of the 1998 EPA Consent Decree. This rebuild process will include loading a new ECM Calibration which allows these engines to achieve a lower overall NO_x emission level after rebuild. This program applies to specific engines (identified by build year, CPL, and ratings). This program includes specific procedures to be followed by the Engine Rebuilder to obtain the "rebuild kit" (including the Low NO_x calibration) at no cost to the rebuildor or customer.

2. What is a Low NO_x Rebuild? - A Low NO_x Rebuild consists of a new "Low NO_x" ECM calibration combined with the standard engine hardware (pistons, heads, etc). A "Low NO_x Rebuild Label" is added to the Engine near the Engine Data Plate to identify that a Low NO_x Rebuild has been performed.

3. When might a Low NO_x Rebuild be required?

- **High Mile Rebuild** - A rebuild is required to be a "Low NO_x" rebuild if a Low NO_x Calibration is available and the engine has operated more than **290,000 miles (for Signature, L, M, & N)**, or **185,000 miles (for ISB & ISC)** and more than one "major cylinder component" (piston assembly, liner, rod, ring set) is replaced in **more than half of the cylinders**.
- **Low Mile Rebuilds** - In addition, at miles lower than listed above, a "Low NO_x" rebuild must be performed (New Calibration and Label) if more than one "major cylinder component" (piston assembly, liner, rod, ring set) is replaced in **all cylinders**.

4. Who is responsible to implement a Low NO_x Rebuild? - The EPA has assigned the Engine Rebuilder with the primary responsibility to ensure that a Low NO_x Rebuild is completed if a Low NO_x Kit is available. In addition, once a Low NO_x Rebuild Kit becomes available, **Cummins** is required by the EPA to "only sell and use, and authorize the sale and use of" Low NO_x Rebuild Kits. Non compliance with the Low NO_x Rebuild requirements will be treated as emissions tampering by the EPA.

5. What Engines are covered by the Consent Decree? - Cummins is required to develop "Low NO_x" calibrations for 90% (by volume) of all the ISB, ISC, L, M, N, and Signature electronic engines produced during the 1993 to 1998 time period. In general, Cummins will use the "exempt 10%" to eliminate many of the very low volume ratings and CPL's. Details of the specific CPL's and Ratings which are included in the Low NO_x Rebuild Program will be communicated and updated via Service Parts Topic, WWW, 1-800-Diesels, and on the current ESDN CD-ROM.

6. Where will the Low NO_x Rebuild be required? - The terms of the Consent Decree apply to the US, as well as other US Territories, including Puerto Rico, The U.S. Virgin Islands, Guam, Samoa and the Mariana's (Commonwealth of the Northern Mariana Islands). It does not apply (at this time) to rebuilds in Canada, Mexico, or other areas of the world.

7. When will Low NO_x Kits (Calibrations) be available - Cummins has established the following key dates to comply with the Consent Decree:

- Initial Low NO _x Rebuild Kits Available	November 1, 1999
- Low NO _x Kits available for 50 % of applicable engines	February 1, 2000
- Low NO _x Kits available for 100%	November 1, 2000

Engine rebuilds (or repairs performed per Paragraph 3 above) on or after these dates will have to use the Low NO_x calibration, if one is available. It is our plan to keep both the Low NO_x and the original calibration available on ESDN for sometime, since our customers will not be required to use the Low NO_x calibration until a rebuild is performed.

8. What is the Customer Impact of a Low NOx Rebuild – We believe there is little or no impact on our customers to have the Low NOx Rebuild performed. In summary, there is:

- No Cost to the customer
- Little or no Engine Performance change
- No operational or gearing recommendation changes
- No oil drain interval change
- No engine hardware changes
- Little or no MPG change (Most customers will not notice any difference)

9. How do I get additional answers or help – Cummins is providing several methods to obtain help and answers to your questions. These include:

- September, 1999 Service Parts Topic
- October, 1999 Warranty Alert
- Via phone call to 1-800-DIESELS
- Log on to WWW.CUMMINS.COM
- Visit your local Cummins distributor
- Monthly ESDN CD-ROM (for CPL/Ratings and Recalibration Locations)

10. ECM Recalibration Reimbursement Procedures – Warranty Alert 9904 will be issued in October, 1999 to provide detailed instructions for the recalibration facility to recover ECM recalibration costs and any ECM freight costs. Both the customer name and address, and the rebuilders name and address will be required, as well as Engine Serial Number and CPL/Rating.

A Low NOx Rebuild ECM Recalibration can be completed via two methods:

“**On engine**” Calibrations can be done at any Cummins Distributor or any Cummins Dealer with INISITE capability. Attachment D lists all Cummins Distributors and all Dealers with both INISITE capability and ESDN Server Calibration capability (these locations will have the calibrations readily available on the monthly ESDN CD-ROM, without need to source it from a supporting location).

“**Off Engine**” Calibration can be done by taking or mailing the ECM to any Cummins Distributor for recalibration and return. Only Distributors are suggested for the off engine process, since this process also requires ECM “benchtop” recalibration equipment.

ATTACHEMENT B PARTS INFORMATION (LOW NOx REBUILD KIT)

1. Kit Distribution - Cummins Low NOx Rebuild Kits (kits) will be available through Cummins aftermarket distribution. The rebuild kits will be stocked at each Cummins Distributor branch in the U.S. and will be made available (at no charge) through Distributors to Dealers, independent service points and to customers upon request.

Kits will be stocked at Cummins parts distribution center in Memphis. The kits are available to Distributors at no charge through the normal order process. Cummins aftermarket will stock the field on October 1, 1999 with an initial Automatic Ship Program through which each Cummins Distributor branch location will receive 25 kits at no charge. Subsequent restocking by Distributors should be through normal parts stock orders to the MDC.

Distributors should make Kits available to Dealers, independent repair shops or to customers upon request. Dealers may stock kits if they wish.

2. Kit Part Number and Contents - The kit will be stocked under part number 3800888. The kit contains:

Engine Label

EPA requires that each engine rebuilt under The Low NOx rebuild program be identified as having been rebuilt within the guidelines specific to that manufacturer.

We will supply an adhesive label that will be applied to the engine near the engine data tag.

Recalibration Instructions

This will provide detailed instructions and a list of locations that are capable of recalibration.

NOTE: In the case of Cummins Engines, there is no incremental hardware necessary as part of a Low NOx rebuild; only an ECM recalibration. Distributors, dealers, independent repair shops and customers can perform a Low NOx rebuild using Genuine or Non-genuine parts (just like today).

3. ECM Recalibration - Only Distributors and Dealers who are capable can recalibrate the engine ECM. This can be through an on-engine recalibration or bench recalibration

4. ReCon Engines - Cummins ReCon engines will also incorporate the Low NOx recalibrations when they are available. ReCon will incorporate the new calibrations as a running change as soon as they are released. Each ECM will be identified with the new calibration code. There will be no change in ReCon engine part numbers, order or DR numbers.

Distributor Recalibration Facilities

Cummins Distributor Branch

CUMMINS NORTHWEST, INC. (2672)
 CUMMINS ALABAMA INC. (2341)
 CUMMINS ALABAMA INC. (2342)
 CUMMINS ALABAMA, INC.
 CUMMINS MID-SOUTH INC. (2461)
 CUMMINS SOUTHWEST, INC.
 CUMMINS SOUTHWEST, INC. (3151)
 CUMMINS SOUTHWEST, INC. (3152)
 CUMMINS SOUTHWEST, INC. (3155)
 CUMMINS CAL PACIFIC INC.
 CUMMINS CAL PACIFIC, INC.
 CUMMINS CAL PACIFIC, INC. (2074)
 CUMMINS CAL PACIFIC, INC. (2075)
 CUMMINS CAL PACIFIC, INC. (2076)
 CUMMINS WEST, INC.
 CUMMINS WEST, INC. (2039)
 CUMMINS WEST, INC. (2042)
 CUMMINS WEST, INC. (2043)
 CUMMINS WEST, INC. (2044)
 CUMMINS WEST, INC. (2045)
 CUMMINS WEST, INC. (2047)
 CUMMINS WEST, INC. (2051)
 CUMMINS ROCKY MOUNTAIN INC.
 CUMMINS ROCKY MOUNTAIN, INC.
 CUMMINS ROCKY MOUNTAIN, INC. (2863)
 CUMMINS ROCKY MOUNTAIN, INC. (2869)
 CUMMINS SOUTHEASTERN POWER (2001)
 CUMMINS SOUTHEASTERN POWER (2002)
 CUMMINS SOUTHEASTERN POWER (2003)
 CUMMINS SOUTHEASTERN POWER (2004)
 CUMMINS SOUTHEASTERN POWER (2006)
 CUMMINS SOUTHEASTERN POWER (2007)
 CUMMINS SOUTHEASTERN POWER (2009)
 CUMMINS SOUTHEASTERN POWER (2012)
 CUMMINS SOUTH
 CUMMINS SOUTH, INC.
 CUMMINS SOUTH, INC. (2931)
 CUMMINS SOUTH, INC. (2933)
 CUMMINS SOUTH, INC. (2935)
 CUMMINS HAWAII DIESEL POWER, INC.
 CUMMINS GREAT PLAINS DIESEL (2941)
 CUMMINS GREAT PLAINS DIESEL (2944)

<u>Address</u>	<u>P. O. Box</u>	<u>City</u>	<u>Stat Zip Code</u>	<u>Phone</u>
2618 COMMERCIAL DRIVE		ANCHORAGE	AK 99501-3095	907-279-7594
1924 BELTLINE HWY, I-65 N	P. O. BOX 25666	MOBILE	AL 36601	334-456-2236
2325 WEST FAIRVIEW AVENUE	P. O. BOX 9271	MONTGOMERY	AL 36108	334-263-2594
2200 PINSON HIGHWAY	P. O. BOX 1147	BIRMINGHAM	AL 35201	205-841-0421
6600 INTERSTATE 30		LITTLE ROCK	AR 72209	501-569-5656
2239 N. BLACK CANYON HIGHWAY		PHOENIX	AZ 85009	602-252-8021
2239 N. BLACK CANYON HWY		PHOENIX	AZ 85009	602-252-8021
1912 W. PRINCE ROAD		TUCSON	AZ 85705	602-887-7440
2222 N. 23RD DR.		PHOENIX	AZ 85009	602-252-8021
1939 DEERE AVENUE		IRVINE	CA 92606	949-253-6000
3958 TRANSPORT STREET		VENTURA	CA 93003	805-844-7281
3061 S. RIVERSIDE AVE.		RIALTO	CA 92377	909-877-0433
1105 SOUTH GREENWOOD AVENUE		MONTEBELLO	CA 90640	323-728-8111
310 N. JOHNSON AVE		EL CAJON	CA 92020	619-593-3093
14775 WICKS BLVD.		SAN LEANDRO	CA 94577	510-351-6101
41 W. YOKUTS, SUITE 131		STOCKTON	CA 95207	209-473-0386
5355 N. GOLDEN STATE BL., #110		FRESNO	CA 93722-5019	209-277-6760
2661 EVERGREEN AVENUE		WEST SACRAMENTO	CA 95691	916-371-0630
20247 CHARLANNE DRIVE		REDDING	CA 96002	800-595-5050
4801 WEST END ROAD		ARCATA	CA 95521	800-595-5050
14775 WICKS BLVD.		SAN LEANDRO	CA 94577	510-351-6101
4601 E. BRUNDAGE LANE		BAKERSFIELD	CA 93307	805-325-9404
5100 EAST 58TH AVENUE		COMMERCE CITY	CO 80022	303-287-0201
13595 COUNTY ROAD 213		DURANGO	CO 81301	970-259-7470
2380 U.S. HWY 6 & 50	P. O. BOX 339	GRAND JUNCTION	CO 81501	970-242-5776
5100 E. 58TH AVE.		COMMERCE CITY	CO 80022	303-286-7697
5421 N. 59TH STREET		TAMPA	FL 33610	813-628-1101
9900 N. W. 77TH AVENUE		HIALEAH GARDENS	FL 33018	305-821-4200
2060 W. 21ST STREET	P. O. BOX 12036	JACKSONVILLE	FL 32209	904-355-3437
4820 N. ORANGE BLOSSOM TRAIL		ORLANDO	FL 32810	407-298-2080
321 SOUTHWEST 52ND AVENUE		OCALA	FL 34474-1892	352-861-1122
6606 N. 56TH STREET		TAMPA	FL 33610	813-623-3330
2671 EDISON AVENUE		FT. MYERS	FL 33918	941-337-1211
5910 E HILLSBOROUGH AVE.		TAMPA	FL 33610	813-626-1101
5125 GEORGIA HIGHWAY 85		COLLEGE PARK	GA 30349	404-763-0151
100 UNIVERSITY AVENUE		ATLANTA	GA 30315	404-527-7800
1255 NEW SAVANNAH ROAD		AUGUSTA	GA 30901-3891	706-722-8825
8 INTERCHANGE COURT		SAVANNAH	GA 31415-1627	912-232-5565
1915 W. OAKRIDGE DRIVE		ALBANY	GA 31707-4938	912-888-6210
91-230 KALAELOA BLVD.		KAPOLEI	HI 96707	808-682-8110
1680 N.E. 51ST AVENUE	P.O.BOX B	DES MOINES	IA 50313	515-262-9591
625 - 3RD AVENUE SW	P.O.BOX 1107	CEDAR RAPIDS	IA 52406	319-368-7537

CUMMINS INTERMOUNTAIN, INC. (2873)	14299 HIGHWAY 30 WEST	P. O. BOX 5212	POCATELLO BOISE	208-234-1661 208-336-5000
CUMMINS GREAT PLAINS DIESEL (2947)	2851 FEDERAL WAY	P.O. BOX 4445	ROCK ISLAND	309-787-4300
CUMMINS MID-STATES POWER,INC.(2653)	7820 42ND STREET WEST	P.O.BOX 348	BLOOMINGTON-NOR	309-452-4454
CUMMINS NORTHERN ILLINOIS, INC.	414 W. NORTHTURN ROAD	HODGKINS	COLLINSVILLE	708-579-9222
GATEWAY INDUSTRIAL POWER	7145 SANITE FE DRIVE # 1 EXTRA MILE DRIVE	3762 W. MORRIS ST.	EVANSVILLE INDIANAPOLIS	618-345-0123 612-867-4400
CUMMINS CUMBERLAND, INC. (3611)	7901 HIGHWAY 41 NORTH	PO BOX 42917	INDIANAPOLIS	317-243-7979
CUMMINS MID-STATES POWER,INC.(2651)	3621 WEST MORRIS STREET	P. O. BOX 42917	INDIANAPOLIS	317-244-7251
CUMMINS MID-STATES POWER,INC.(2652)	3415 COLISEUM BLVD. WEST	FT. WAYNE	EVANSVILLE	219-482-3691
CUMMINS NORTHERN ILLINOIS,INC.(2332)	1440 TEXAS STREET	GARY	INDIANAPOLIS	219-885-5591
CUMMINS MID-AMERICA, INC. (2836)	2008 WEST MARY	GARDEN CITY	COLBY	316-275-2277
CUMMINS MID-AMERICA, INC. (2837)	1880 SOUTH RANGE	COLBY	WICHITA	913-462-3945
CUMMINS MID-AMERICA, INC. (2841)	5101 NORTH BROADWAY	WICHITA	WICHITA	316-838-0875
CUMMINS CUMBERLAND, INC.	304 WITTINGTON PARKWAY	LOUISVILLE	LOUISVILLE	502-426-9300
CUMMINS CUMBERLAND, INC. (3610)	9820 BLUEGRASS PARKWAY	HAZARD	HAZARD	502-491-4263
CUMMINS CUMBERLAND, INC. (3612)	HIGHWAY 15 SOUTH	P.O. BOX 1229	AMELIA KENNER	606-436-5718
CUMMINS MID-SOUTH INC. (2471)	Hwy. 90 EAST	DEDHAM	DEDDHAM	504-631-0576
CUMMINS MID-SOUTH, INC. (2470)	110 E. AIRLINE HIGHWAY	SPRINGFIELD	SPRINGFIELD	504-468-3535
CUMMINS NORTHEAST, INC.	100 ALLIED DRIVE	GLEN BURNIE	GLEN BURNIE	781-329-1750
CUMMINS NORTHEAST,INC. (2021)	177 ROCUS ST.	SCARBOROUGH	SCARBOROUGH	413-737-2859
CUMMINS POWER SYSTEMS, INC.	1907 PARK 100 DRIVE	IRON MOUNTAIN	IRON MOUNTAIN	410-590-8700
CUMMINS NORTHEAST, INC. (2022)	10 GIBSON ROAD	NOVI	NOVI	207-883-8155
CUMMINS GREAT LAKES,INC.(4B98)	1901 STEVENSON AVENUE	DEARBORN	DEARBORN	906-774-2424
CUMMINS MICHIGAN INC.	41216 VINCENTI COURT	NOVI	NOVI	248-478-9700
CUMMINS MICHIGAN INC. (2851)	3715 CLAY AVENUE S.W.	GRAND RAPIDS	GRAND RAPIDS	616-538-2250
CUMMINS MICHIGAN INC. (2852)	48126 VINCENTI COURT	NOVI	NOVI	413-737-2859
CUMMINS MICHIGAN INC. (2853)	3760 WYOMING AVENUE	DEARBORN	DEARBORN	410-590-8700
CUMMINS MICHIGAN INC. (2857)	25100 NOVI ROAD	NOVI	NOVI	207-883-8155
CUMMINS MICHIGAN INC.(2854)	722 N. OUTER DRIVE	SAGINAW	SAGINAW	248-478-9700
CUMMINS NORTH CENTRAL	2690 CLEVELAND AVENUE NORTH	P. O. BOX 64578 ST. PAUL	DULUTH	313-843-6200
CUMMINS MID-AMERICA	3115 TRUCK CENTER DRIVE	KANSAS CITY	KANSAS CITY	313-843-6200
CUMMINS MID-AMERICA	8201 NE PARVIN ROAD	KANSAS CITY	KANSAS CITY	248-478-9700
CUMMINS MID-AMERICA, INC. (2844)	8201 NE PARVIN ROAD	KANSAS CITY	KANSAS CITY	616-414-8200
CUMMINS MID-SOUTH INC. (2462)	8201 NE PARVIN ROAD	JOPLIN	JOPLIN	616-414-8200
CUMMINS NORTHWEST, INC. (2674)	3507 EAST 20TH STREET	MISSOULA	MISSOULA	417-623-1661
CUMMINS ROCKY MOUNTAIN, INC.(2864)	3637 EAST KEARNEY	SPRINGFIELD	SPRINGFIELD	417-862-0777
CUMMINS EASTERN CANADA INC.	5151 MIDLAND ROAD	RICHLAND	RICHLAND	601-932-7016
CUMMINS ATLANTIC INC.	4950 NORTH RESERVE STREET	MT	MT	406-728-1300
	5151 MIDLAND ROAD	MT	MT	406-245-4194
	415 VAUGHN ROAD (59404)	PO BOX 30377	BILLINGS	506-451-1929
	R.R. #1, DOAK ROAD	P.O. BOX 1199	GREAT FALLS	506-452-8561
	11101 NATIONS FORD RD	P O BOX 7787	FREDERICTON CHARLOTTE	704-588-1240

CUMMINS ATLANTIC INC. (02402)	1514 CARGILL AVENUE	P. O. BOX 1177	WILSON	919-237-9111
CUMMINS ATLANTIC INC. (2401)	513 PREDDY BOULEVARD	P.O. BOX 22068	GREENSBORO	336-275-4531
CUMMINS ATLANTIC INC. (2406)	11101 NATIONS FORD ROAD	NC 28224-0729	CHARLOTTE	704-588-1240
CUMMINS ATLANTIC INC. (2416)	3700 NORTH INTERSTATE 85	NC 28208	CHARLOTTE	704-598-7690
CUMMINS NORTH CENTRAL INC. (3522)	P.O. BOX 2111	ND 58104	FARGO	701-282-2466
CUMMINS NORTH CENTRAL INC.(3521)	P. O. BOX 1179	ND 58702	MINOT	701-852-3585
CUMMINS NORTH CENTRAL INC. (3523)	P.O. BOX 638	ND 58201	GRAND FORKS	701-775-8197
CUMMINS GREAT PLAINS DIESEL (2945)	P.O. BOX 1326	NE 68847	KEARNEY	308-234-1994
CUMMINS GREAT PLAINS DIESEL (2949)	OMAHA	NE 68106	OMAHA	402-551-7678
CUMMINS GREAT PLAINS DIESEL, INC.	P. O. BOX 6068	NE 68106	OMAHA	402-551-7678
CUMMINS METROPOWER, INC. (2992)	NEWARK	NJ 7105	NEWARK	973-491-0100
CUMMINS SOUTHWEST, INC. (3153)	ALBUQUERQUE	NM 87102	ALBUQUERQUE	505-247-2441
CUMMINS SOUTHWEST, INC. (3157)	FARMINGTON	NM 87401	FARMINGTON	505-327-7331
CUMMINS INTERMOUNTAIN, INC. (2876)	SPARKS	NV 89431	SPARKS	702-331-4983
CUMMINS INTERMOUNTAIN, INC. (2877)	P.O. BOX 3997	NV 89036	NORTH LAS VEGAS	702-399-2339
CUMMINS INTERMOUNTAIN, INC. (2878)	ELKO	NV 89801	ELKO	702-738-6405
CUMMINS METROPOWER, INC.	BRONX	NY 10473	BRONX	718-892-2400
CUMMINS NORTHEAST, INC. (2024)	ALBANY	NY 12205	ALBANY	518-459-1710
CUMMINS NORTHEAST, INC. (2025)	SYRACUSE	NY 13211	SYRACUSE	315-437-2751
CUMMINS NORTHEAST, INC. (2026)	WILLIAMSVILLE	NY 14221-7090	WILLIAMSVILLE	716-631-3211
CUMMINS INTERSTATE POWER INC.	HILLIARD (COLUM	OH 43026	HILLIARD (COLUM	614-771-1000
CUMMINS INTERSTATE POWER INC.	MAUMEE (TOLEDO)	OH 43537	MAUMEE (TOLEDO)	614-771-1000
CUMMINS INTERSTATE POWER INC.	CLEVELAND	OH 44146	CLEVELAND	614-771-1000
CUMMINS INTERSTATE POWER INC.	HUBBARD (YOUNGS	OH 44425	HUBBARD (YOUNGS	419-893-8711
CUMMINS INTERSTATE POWER INC.	STRASBURG	OH 44680	STRASBURG	330-878-5511
CUMMINS INTERSTATE POWER INC.	CINCINNATI	OH 45241	CINCINNATI	216-439-6800
CUMMINS INTERSTATE POWER INC.	HILLIARD (COLUM	OH 43026	HILLIARD (COLUM	330-534-1935
CUMMINS INTERSTATE POWER INC.	OKLAHOMA CITY	OK 73127	OKLAHOMA CITY	614-771-1000
CUMMINS SOUTHERN PLAINS, INC.(4976)	TULSA	OK 74116	TULSA	405-946-4481
CUMMINS SOUTHERN PLAINS, INC.(4979)	PORTLAND	OR 97217-3557	PORTLAND	503-289-0900
CUMMINS NORTHWEST, INC.	PORTLAND	OR 97217-3557	PORTLAND	503-289-0900
CUMMINS NORTHWEST, INC. (2683)	PENDLETON	OR 97801-1810	PENDLETON	541-276-2561
CUMMINS NORTHWEST, INC. (2684)	MEDFORD	OR 97504-9796	MEDFORD	541-779-0151
CUMMINS NORTHWEST, INC. (2685)	PITTSBURGH	PA 15238-2901	PITTSBURGH	541-389-1900
CUMMINS NORTHWEST, INC.(2682)	EUGENE	PA 15238-2901	EUGENE	541-687-0000
CUMMINS INTERSTATE POWER INC.	PITTSBURGH	PA 19007-6095	PITTSBURGH	412-820-8300
CUMMINS POWER SYSTEMS, INC.	BRISTOL	PA 19007-6095	BRISTOL	215-785-6005
CUMMINS POWER SYSTEMS, INC.	COLUMBIA	SC 29201	COLUMBIA	803-799-2410
CUMMINS ATLANTIC INC. (2403)	CHARLESTON	SC 29418-5593	CHARLESTON	843-554-5112
CUMMINS ATLANTIC INC. (2405)	3028 WEST MONTAGUE AVENUE			

Low Nox Rebuild

Distributor Recalibration Facilities

CUMMINS GREAT PLAINS DIESEL (2943)	701 EAST 54TH STREET NORTH		SIOUX FALLS	SD	57104	605-336-1715
CUMMINS CUMBERLAND, INC. (3615)	706 SPENCE LANE		NASHVILLE	TN	37217	615-366-4341
CUMMINS CUMBERLAND, INC. (3616)	1211 AULT ROAD		KNOXVILLE	TN	37914	423-523-0446
CUMMINS MID-SOUTH INC.	666 RIVERSIDE DRIVE	P. O. BOX 3080	MEMPHIS	TN	38103	901-577-0666
CUMMINS MID-SOUTH INC. (2460)	1764 E. BROOKS ROAD		MEMPHIS	TN	38116	901-345-7424
CUMMINS SOUTH, INC. (2937)	1509 EAST 26TH STREET		CHATTANOOGA	TN	37407-1095	423-629-1447
CUMMINS SOUTHERN PLAINS, INC.	600 N. WATSON ROAD		ARLINGTON	TX	76011	817-640-6801
CUMMINS SOUTHERN PLAINS, INC.(4962)	5224 I-40 EXPRESSWAY EAST		AMARILLO	TX	79103	806-373-3793
CUMMINS SOUTHERN PLAINS, INC.(4963)	2615 BIG TOWN BLVD.		MESQUITE	TX	75150	214-321-5555
CUMMINS SOUTHERN PLAINS, INC.(4966)	3707 IRVING BOULEVARD		DALLAS	TX	75247	214-631-6400
CUMMINS SOUTHERN PLAINS, INC.(4970)	3250 NORTH FREEWAY		FORT WORTH	TX	76111	817-624-2107
CUMMINS SOUTHERN PLAINS, INC.(4972)	4750 HOMESTEAD ROAD		HOUSTON	TX	77028	713-675-7421
CUMMINS SOUTHERN PLAINS, INC.(4975)	1210 SOUTH GRANDVIEW		ODESSA	TX	79761	915-332-9121
CUMMINS SOUTHERN PLAINS, INC.(4977)	6226 PAN AM EXPRESSWAY NORTH		SAN ANTONIO	TX	78218-0385	512-655-5420
CUMMINS SOUTHWEST, INC. (3154)	14333 GATEWAY WEST		EL PASO	TX	79927	915-852-4200
SOUTHERN PLAINS POWER ,INC.	1155 WEST LOOP NORTH.		HOUSTON	TX	77055	713-956-0020
CUMMINS INTERMOUNTAIN, INC.	1030 SOUTH 300 WEST		SALT LAKE CITY	UT	84101	801-355-8500
CUMMINS INTERMOUNTAIN,INC.	1030 SOUTH 300 WEST	P.O.BOX 25428	SALT LAKE CITY	UT	84125	801-355-6500
CUMMINS ATLANTIC INC. (2409)	3900 DEEPWATER TERMINAL ROAD		RICHMOND	VA	23234	804-232-7891
CUMMINS ATLANTIC INC. (2411)	2987 SIMMONS DRIVE		CLOVERDALE	VA	24077	540-966-3169
CUMMINS ATLANTIC INC. (2434)	3729 HOLLAND BLVD.		CHESAPEAKE	VA	23323	757-485-4848
CUMMINS NORTHWEST, INC. (2670)	811 S.W. GRADY WAY		RENTON	WA	98055	425-235-3400
CUMMINS NORTHWEST, INC. (2673)	928 N.W. MARYLAND		CHEHALIS	WA	98532-1813	360-748-8841
CUMMINS NORTHWEST, INC. (2676)	11134 W. WESTBOW BLVD		SPOKANE	WA	99204	509-455-4411
CUMMINS NORTHWEST, INC. (2677)	3701 PACIFIC HIGHWAY EAST		TACOMA	WA	98424-1135	253-922-2191
CUMMINS NORTHWEST, INC.(2678)	1905 EAST CENTRAL AVENUE	P.O. BOX 9129	YAKIMA	WA	98909-0129	509-248-9033
CUMMINS GREAT LAKES, INC.	875 LAWRENCE DRIVE	P. O. BOX 5070	DEPERE	WI	54115-0530	920-337-1991
CUMMINS GREAT LAKES, INC. (4892)	4703 RIB MOUNTAIN DRIVE		WAUSAU	WI	54401	715-359-6888
CUMMINS GREAT LAKES, INC. (4896)	9401 SOUTH 13TH STREET	P.O. BOX D	OAK CREEK	WI	53154	414-768-7400
CUMMINS GREAT LAKES, INC. (4897)	939 LAWRENCE DRIVE	P. O. BOX 5070	DEPERE	WI	54115	920-336-9631
CUMMINS GREAT LAKES, INC.(4899)	4860 HALLIE ROAD	P. O. BOX 88	CHIPPEWA FALLS	WI	54729	715-720-0680
CUMMINS GREAT LAKES, INC./POWER SYS	875 LAWRENCE DRIVE	530	DE PERE	WI	54115	920-337-9750
CUMMINS CUMBERLAND, INC. (3614)	145 MIDDLETOWN ROAD		FAIRMONT	WV	26554	304-387-0196
CUMMINS CUMBERLAND, INC.(3613)	CHARLESTON ORDNANCE CENTER		SOUTH CHARLESTO	WV	25303	304-744-6373
CUMMINS INTERMOUNTAIN, INC. (2871)	2000 FOOTHILL BLVD.		ROCK SPRINGS	WY	82901	307-362-5168
CUMMINS ROCKY MOUNTAIN, INC.(2867)	2700 HWY. 14 & 16 N (82717)	P.O. BOX 1207	GILLETTE	WY	82716	307-682-9611

**Dealer Recalibration Facilities
(Locations with ESDN)**

Cummins Dealer

ACTION TRUCK CENTER
AL SCHEPERS MOTOR CO
ALLSTATE SALES CORP.
ATLANTA FREIGHTLINER
BALL VOLVO & GMC TRUCKS
BARRY MOTOR CO.
BARTON FREIGHTLINER INC.
BAY TRUCK SALES, INC.
BAYSHORE INTERNATIONAL
BORDER INTERNATIONAL
BOYER STERLING TRUCKS
BROADWAY FORD
BYERS INTERNATIONAL TRUCKS
C. EARL BROWN, INC.
CAPITAL CITY INTERNATIONAL TRUCKS
CAPITOL TRUCKS INC.
CARCO INTERNATIONAL
CENTRAL CAROLINA TRUCK
CENTRAL ILLINOIS TRUCKS, INC.
CENTRAL ILLINOIS TRUCKS, SFIELD
CENTRAL ILLINOIS TRUCKS, NORMAL
CENTRAL MOTOR COMPANY
CHAPARRAL VOLVO TRUCKS
CHESLEY FREIGHTLINER
CHESLEY FREIGHTLINER TRK SALES
CHESLEY TRUCK & TRAILER
COASTAL INTERNATIONAL TRUCKS
COGSWELL MOTORS INC
COLONIAL INTERNATIONAL
CONNECTICUT POWER SYSTEMS, L.L.C.
COPELAND INTERNATIONAL TRUCK
CORLEY-WETSEL FREIGHTLINER, INC.
CORNHUSKER INTERNATIONAL
CORNING TRUCK & RADIATOR SERVICE
COUNTRY FORD TRUCKS, INC.
CRAWFORD TRUCK & EQUIPMENT
CROSSROADS FORD TRUCK SALES
DARIO DIESEL VOLVO TRUCKS, INC.
DAVE SYVERSON INC.
DAVE SYVERSON TRUCK CENTER INC.
DEBAUCHE TRUCK AND DIESEL
DELMARVA KENWORTH, INC.
DIAMOND INTERNATIONAL TRUCKS
DIESEL SERVICE AND SALES CO., INC.
DISCOVER VOLVO TRUCKS
DISTRICT INTERNATIONAL TRUCKS
DODGE CITY INTERNATIONAL

Address

211 ROSS CLARK CIRCLE
1722 SOUTHRIDGE
558 EAST VILLAUME AVE SO.
5884 FRONTAGE RD
HWY 136 EAST
HIGHWAY 175
11700 VALENTINE ROAD
340 JEFFERSON BLVD.
24353 CLAWITER ROAD
1213 N. ZARAGOSA RD.
2601 BROADWAY ROAD
1501 SOUTH 7TH
1314 W. MORTON
11611 HOPEWELL ROAD
3116 COMMERCIAL AVE
11055 AIRLINE HWY.
2721 MIDLAND BLVD
306 PINEVIEW DR.
3030 MAY ROAD
3440 GATLIN DRIVE
200 W. NORTHTOWN RD.
7238 FULLERTON ROAD
2121 EAST 2ND STREET
2200 4TH AVE NO.
2845 LONG LAKE ROAD
11152 COURTHOUSE BLVD
17 O'KEEFE LANE
1900 EAST MAIN
7045 ALBERT PICK ROAD
260 MURPHY ROAD
1770 N. BROADWAY
998 HIGHWAY 80 EAST & JUDGE ELY
3131 CORNHUSKER HWY
3525 HIGHWAY 99 WEST
1720 HERNDON ROAD
3601 S.E. 6TH AVE.
100 N. HILL ST.
182 SOUTHWEST CUTOFF
2310 EAST MAIN
6300 HWY 63 SOUTH
535 FANTA REED PLACE
613 CLARA STREET
910 E. SIXTH
4235 SOUTH 500 WEST
5905 U S 930 EAST
5000 TUXEDO ROAD
2201 E. HWY 50

P. O. Box

P.O. BOX 268
P.O. BOX 218

P.O. BOX 19

P O BOX 8340

P.O. BOX 699
130370

P.O. BOX 18605

PO BOX 6548

251

P.O. BOX 609

P.O. BOX 11908

City

DOOTHAN
JEFFERSON CITY
ST.PAUL
FOREST PARK
KAHOKA
DANBURY
NORTH LITTLE RO
WARWICK
HAYWARD
EL PASO
MPLS
ST LOUIS
JACKSONVILLE
HAGERSTOWN
MADISON
BATON ROUGE
FORT SMITH
KERNERSVILLE
PERU
SPRINGFIELD
NORMAL
SPRINGFIELD
ODESSA
MANKATO
ROSEVILLE
INVERGROVE HEIG
WARWICK
RUSSELLVILLE
GREENSBORO
HARTFORD
WICHITA
ABILENE
LINCOLN
CORNING
CERES
ABERDEEN
SPRINGFIELD
WORCESTER
ALBERT LEA
ROCHESTER
LA CROSSE
DOVER
LITTLE ROCK
SALT LAKE CITY
FT WAYNE
TUXEDO
DODGE CITY

Sta Zip

AL 36301 334-794-8505
MO 65110 573-636-3810
MN 55075 612-455-6500
GA 30050 404-366-8044
MO 63445 816-727-3358
IA 51019 712-883-2421
AR 72117 501-955-3200
RI 2888 401-738-5950
CA 94545 510-264-5200
TX 79907 915-858-4644
MN 55413 612-627-5555
MO 63104 314-241-9188
IL 62650 217-245-4614
MD 21740 301-582-2111
WI 53708-8340 608-246-5860
LA 70895 504-295-2929
AR 72904 501-441-3270
NC 27285 910-993-2106
IL 61354 815-224-4410
IL 62707 217-544-5300
IL 61761 309-452-8392
VA 22150 703-569-5530
TX 79761 915-337-4695
MN 56001 507-626-4118
MN 55113 612-636-3400
MN 55077 651-455-9775
RI 2888 401-784-3060
AR 72801 501-968-2665
NC 27419 336-668-0491
CT 6114 860-527-9156
KS 67201 316-262-8413
TX 79601 915-677-8187
NE 68504 402-466-8461
CA 96021 530-824-5134
CA 95307 209-541-3673
SD 57401 605-225-6200
IL 62708-6548 217-528-0770
MA 1604 508-753-8177
MN 56007 507-373-1438
MN 55903 507-289-3357
WI 54603 608-781-8840
DE 19901 302-674-2300
AR 72202 501-374-6474
UT 84123 801-266-3331
IN 46803-1908 219-749-9745
MD 20781 301-772-5100
KS 67801 316-225-4177

Low NOx Rebuild

Dealer Recalibration Facilities
(Locations with ESDN)

DOONAN TRUCK & EQPT. (G.BEND)	JUNCTION HWY. 56 & 156	GREAT BEND	KS	67530	316-792-2491
DOONAN TRUCK & EQPT. (WICHITA)	11118 W. HWY 54	WICHITA	KS	67277	316-722-6035
DOW HAMMOND TRUCKS CO.	720 "G" STREET	MODESTO	CA	95354	209-524-4861
DUTHLER TRUCK CENTER	4525 CLAY AVE. S.W.	GRAND RAPIDS	MI	49548-3085	616-531-9150
EAGLE FORD TRUCK CENTER	2260 LARSEN ROAD	GREEN BAY	WI	54303	414-496-5050
EDDIES TRUCK SALES	1002 E OMAHA	RAPID CITY	SD	57709	605-348-4900
EFFINGHAM TRUCK SALES	1701 W. FAYETTE	EFFINGHAM	IL	62041	618-342-9761
ESTES INTERNATIONAL	2801 S.E. MAIN	ROSWELL	NM	88201	505-622-8042
EVANSVILLE TRUCK CENTER	8516 BAUNGART ROAD	EVANSVILLE	IN	47711	812-867-7411
FAGAN TRUCK & TRAILER SALES	3601 E MILWAUKEE ST	JANESVILLE	WI	53546	608-752-0243
FALLS DIESEL SERVICE	HWY 59 NORTH, RT 1	THIEF RIVER FAL	MN	56701	218-681-1018
FIVE STAR INTERNATIONAL TRUCKS	6100 WATTSBURG ROAD	ERIE	PA	16514-0966	814-825-6150
FLEET MAINTENANCE, INC.	67 RANSIER DRIVE	WEST SENECA	NY	14224	716-675-9220
FLOYD'S SALES AND SERVICE	322 EAST 5TH	SCOTTSBLUFF	NE	69361	308-632-2911
FOOTHILL FREIGHTLINER	6444 SAN FERNANDO ROAD	GLENDALE	CA	91201	818-244-4161
FOX & JAMES, INC.	BOX 337, OLD ROUTE 22	DUNCANSVILLE	PA	16635-7038	814-695-9175
FOX & JAMES, INC.	R.D. #4 - ROUTE 30 EAST	LATROBE	PA	15650	724-539-3561
FOX BROTHERS INC.	NORTH HWY 71 & 14	SANBORN	MN	56083	507-648-3487
FREIGHTLINER ARIZONA,LTD.	2702 W. ENCANTO BLVD.	PHOENIX	AZ	85061	602-269-2181
FREIGHTLINER OF CHARLOTTE	4633 N I-85 SERVICE RD	CHARLOTTE	NC	28269	704-597-1110
FREIGHTLINER OF CHICAGO	776 N. YORK	ELMHURST	IL	60126	630-279-0600
FREIGHTLINER OF DES MOINES	4771 2ND AVE.	DES MOINES	IA	50313	515-244-4293
FREIGHTLINER OF GRAND RAPIDS	5285 CLAY AVENUE S.W.	WYOMING	MI	49548	616-531-6600
FREIGHTLINER OF NEW HAMPSHIRE, INC.	165 HEATER ROAD	LEBANON	NH	3766	603-443-9955
FREIGHTLINER OF UTAH	2240 SO. 5370 W.	WEST VALLEY CIT	UT	84120	801-978-8000
FYDA FREIGHTLINER YOUNGSTOWN, INC.	5260 SEVENTY-SIX DRIVE	YOUNGSTOWN	OH	44515	330-797-0224
GATOR TRUCKS, INC.	7528 HIGHWAY 301 NORTH	TAMPA	FL	33637	813-980-3673
GENERAL TRUCK SALES	4300 N BROADWAY	MUNCIE	IN	47303	765-289-4481
GERALD N.EVENSON INC.	HWY 59 SOUTH	PELICAN RAPIDS	MN	56572	218-863-7101
GLOCKNER CHEVROLET	ROUTE 23 NORTH	PORTSMOUTH	OH	45662	740-353-7556
GREAT BASIN SOUTHWEST TRUCKS	1924 2ND ST. N.W	ALBUQUERQUE	NM	87102	505-843-7703
GREAT PLAINS INTERNATIONAL	2601 BRIDGEPORT	SIOUX CITY	IA	51111	712-252-3637
GREAT SOUTHERN PETERBILT	HWY 27 N 12B	HAVANA	FL	32333	904-539-7717
GREAT SOUTHERN TRUCK CO.	406 HWY 49 SOUTH	RICHLAND	MS	39218	601-933-1600
GREEN MOUNTAIN KENWORTH, INC.	ROUTE 7 SHELBURNE ROAD	SHELBYNE	VT	05482-0517	802-985-2521
GRiffin TRUCK CENTER	HWY 25 SO.	ADVANCE	MO	63730	573-722-5995
GRIMES TRUCK CENTER	12835 SALEM AVENUE	HAGERSTOWN	MD	21740	301-790-2200
GRIMES TRUCK CENTER	1301 E. PATRICK STREET	FREDERICK	MD	21701	301-663-6262
HADLER INTERNATIONAL, INC.	601 NORTH FOURTH ST.	QUINCY	IL	62301	217-222-1518
HALL GMC	4242 W. MAIN AVE	FARGO	ND	58201	701-282-5400
HEINTZELMAN'S TRUCK CENTER	2424 JOHN YOUNG PARKWAY	ORLANDO	FL	32804	407-298-1000
HEISLER'S TRUCK SALES & SERVICE INC	85 EAST LONGVIEW AVENUE	MANSFIELD	OH	44903	419-522-9811
HIGHWAY MOTORS	ROUTE 11 NORTH	HARRISONBURG	VA	22801	540-434-6716
HILL TRUCK SALES, INC.	1011 W. SAMPLE STREET	SOUTH BEND	IN	46619	219-289-4065
HOLCOMB FREIGHTLINER	I-29 & HWY 38A	SIOUX FALLS	SD	57101	605-336-2995
HORIZON FREIGHTLINER	1377 N. HORIZON BLVD.	EL PASO	TX	79927	915-852-4922
HUMBOLDT DIESEL	3095 WEST POTATO ROAD	WINNEMUCCA	NV	89445	702-623-0403
HUNT TRUCK SALES & SERVICE	8211 ADAMO DRIVE	TAMPA	FL	33619	813-621-6931

**Dealer Recalibration Facilities
(Locations with ESDN)**

I-70 TRUCK REPAIR	N. HWY 183	HAYS	KS	67601	913-625-3195
INLAND KENWORTH	1021 N. 59TH AVE.	PHOENIX	AZ	85043	602-258-7791
J & B INTERNATIONAL TRUCKS, INC.	51 HERCULES DRIVE	COLCHESTER	VT	5446	802-655-1000
JARVIS TRUCK SALES	127 BARNES DRIVE	TOLEDO	WA	98591	360-864-4477
JENKINS DIESEL POWER	1845 E BLAINE	SPRINGFIELD	MO	65803	417-862-7021
JOE HOTZE FORD	RT 50 AT 157	SALEM	IL	62881	618-548-1711
JOPLIN FREIGHTLINER	3201 E 32ND STREET	JOPLIN	MO	64804	417-624-7075
KANSAS TRUCK CENTER (HUTCHINSON)	JCT. HWY 61 S & HWY 50	HUTCHINSON	KS	68127	316-662-5444
KANSAS TRUCK CENTER (WICHITA)	4006 W. 29TH ST. SOUTH	WICHITA	KS	67209	316-722-4291
KAYSER FORD INC	2303 W BELTLINE HWY	MADISON	WI	53713	608-276-0298
KCR INTERNATIONAL	7700 NE 38TH STREET	KANSAS CITY	MO	64161	816-455-1833
KEN WILSON FORD	769 CHAMPION DRIVE	CANTON	NC	28716	828-648-8122
KENTUCKY TRUCK SALES, INC.	1403 TRUCKSER BLVD.	JEFFERSONVILLE	IN	47131	812-283-7172
KENWORTH MID-IOWA	4111 DELAWARE	DES MOINES	IA	50313	515-265-8111
KENWORTH OF ST LOUIS	185 SOCCER PARK ROAD	FENTON	MO	63026	314-343-6900
KENWORTH OF TENNESSEE INC	200 KENWORTH BLVD	JACKSON	TN	38305	901-423-1214
KRON INTERNATIONAL TRUCKS	1105 INDUSTRY ROAD	LEXINGTON	KY	40505	606-252-3512
L & S TRUCK CENTER	330 N BLUEMOUND DRIVE	APPLETON	WI	54912	920-749-1700
LAKE CITY INTERNATIONAL TRUCKS, INC.	1475 WEST 2100 SOUTH	SALT LAKE CITY	UT	84119	801-972-5320
LAKESIDE INTERNATIONAL	3705 N 124TH STREET	BROOKFIELD	WI	53005	414-781-4080
LARSEN INTERNATIONAL	EAST HIGHWAY 30	FREMONT	NE	68025	402-721-5782
LEE SMITH, INC.	2600 EIGHTH AVE.	CHATTANOOGA	TN	37407	423-622-4161
LILLEY INTERNATIONAL	1800 S WESLEYAN BLVD	ROCKY MOUNT	NC	27803	252-977-3460
LJL - MACON	2855 BROADWAY	MACON	GA	31202	912-784-3100
MANNEY INTERNATIONAL	375 SOUTH 33RD AVE	ST.CLOUD	MN	56302	320-251-9511
MARSHALL & HOUSEMAN	ROUTE 5	SHERRILL	NY	13461	315-363-3240
MCDEVITT TRUCK SALES	939-B EAST STREET	TEWKSBURY	MA	1876	978-851-4321
MICHIGAN KENWORTH	7393 EXPRESSWAY CT. S.W.	GRAND RAPIDS	MI	49548-7967	616-281-8610
MID STATES FORD	4300 NE 14TH STREET	DES MOINES	IA	50316	515-265-7361
MIDWAY FORD	7601 NE 38TH ST	KANSAS CITY	MO	64116	816-455-3000
MIDWEST DIESEL SERVICE	8284 WEST 35W SERVICE DR.	BLAINE	MN	55449	612-780-8533
MIDWEST KENWORTH	1524 N CORRINGTON	KANSAS CITY	MO	64120	816-483-7035
MIDWEST KENWORTH - OLATHE	1301 S. HAMILTON CIRCLE	OLATHE	KS	66061	913-829-1444
MIDWEST KENWORTH - SALINA	2301 NORTH OHIO	SALINA	KS	67401	913-823-9700
MIKE RAISOR FORD	2051 SAGAMORE PARKWAY SOUTH	LAFAYETTE	IN	47905	765-447-9444
MITCHELL DISTRIBUTING	3109 CHARLESTON HWY	COLUMBIA	SC	29202	803-794-6150
MIZAR MOTORS	6003 BENORE ROAD	TOLEDO	OH	43612	419-729-2751
MOBILE FLEET SERVICES	2003 E. VIOLA	YAKIMA	WA	98901	509-575-8888
NALLEY MOTOR TRUCKS	2560 MORELAND AVENUE	ATLANTA	GA	30315	404-622-1921
NEBRASKA PETERBILT FORD	S HWY 281	GRAND ISLAND	NE	68802	308-382-1044
NEBRASKA TRUCK & EQUIPMENT	8400 WEST "O" STREET	LINCOLN	NE	68528	402-475-8471
NELSON INTERNATIONAL INC.	EAST HIGHWAY 12	WILLMAR	MN	56201	612-235-2770
NELSON INTERNATIONAL	4235 WEST MAIN AVE	FARGO	ND	58108	701-282-2817
NORTHWEST INTERNATIONAL TRUCKS	HWY 13 SOUTH	ABBOTTSFORD	WI	54409	715-223-6361
NORTHWEST INTERNATIONAL TRUCKS	2600 SHERMAN STREET	WAUSAU	WI	54401	715-845-2244
O'S HILL & CO INC.	RT11 AT 170 EXIT 47866 Y&O RD	EAST LIVERPOOL	OH	43920	330-386-6440
O.S. HILL & COMPANY, INC.	#1 27TH STREET	WHEELING	WV	26003-0814	304-233-1500
O'HALLORAN INTERNATIONAL INC.	3311 ADVENTURELAND DRIVE	ALTOONA	IA	50009	515-967-3300

Low NOx Rebuild

Dealer Recalibration Facilities
(Locations with ESDN)

OKLAHOMA KENWORTH, INC.	6141 S.49TH WEST AVENUE		TULSA	OK	74131	918-446-5521
OLSON & JOHNSON TRK INC.	NORTH HWY 59	P.O.BOX 410	MARSHALL	MN	56258	507-532-5719
ORLANDO FREIGHTLINER	2455 S ORANGE BLOSSOM TRAIL	PO BOX 547185	ORLANDO	FL	32854	407-295-3846
OZARK KENWORTH	1755 SO. HWY 63		WEST PLAINS	MO	65775	417-255-2100
OZARK KENWORTH	3301 E KEARNEY		SPRINGFIELD	MO	65801	417-831-4444
PACKER CITY INTERNATIONAL	611 HANSEN ROAD	P O BOX 2238	GREEN BAY	WI	54306	414-499-0879
PALM TRUCK CENTERS	2441 SOUTH STATE RD 7 (441)		FT. LAUDERDALE	FL	33317-6999	954-564-3200
PASCALE SERVICE CORPORATION	51 DELTA DRIVE		PAWTUCKET	RI	2861	401-722-2030
PEGUES HURST MOTOR CO.	200 SPUR 63		LONGVIEW	TX	75601	903-758-6211
PETERBILT OF CENTRAL FLORIDA	8411 SABAL INDUSTRIAL BLVD		TAMPA	FL	33619	813-664-1441
PETERBILT OF FARGO	I-29 & 32ND AVE SOUTH	P.O. BOX 2148	FARGO	ND	58107	701-282-6200
PETERBILT OF GARDEN CITY	3255 WEST JONES		GARDEN CITY	KS	67846	316-277-2646
PETERBILT OF JOPLIN	4044 COYOTE DRIVE		JOPLIN	MO	64804	417-623-0222
PETERBILT OF SIOUX FALLS	4620 N. CLIFF		SIOUX FALLS	SD	57104	605-338-0040
PETERBILT OF SPRINGFIELD	2725 N EASTGATE		SPRINGFIELD	MO	65803	417-865-5355
PETERBILT OF UTAH, INC.	2825 SOUTH 300 WEST		SALT LAKE CITY	UT	84115	801-486-8781
PETERBILT OF WINONA	RR #2	199A	WINONA	MN	55987	507-523-2333
PETERBILT OF WISCONSIN	N11 W24500 HWY 'TJ'	P O BOX 49	WAUKESHA	WI	53187-0049	414-547-0001
PIEDMONT FORD/STERLING	412 S. REGIONAL RD		GREENSBORO	NC	27419	336-668-2401
QUALITY TRUCK CARE	5725 GREEN VALLEY ROAD		OSHKOSH	WI	54904	414-231-2122
QUINCY FREIGHTLINER	3830 WISMANN LANE		QUINCY	IL	62301	217-228-8787
R L ANDERSON INTERNATIONAL INC.	1002 HIGHWAY 80 EAST		ABILENE	TX	79601	915-677-3393
RACINE TRUCK WESTERN STAR & IHC	3845 SOUTH 27TH ST.		FRANKSVILLE	WI	53126	414-835-3434
REEDER-SIMCO GMC INC	3421 SOUTH ZERO STREET		FORT SMITH	AR	72908	501-646-8271
RIHM KENWORTH	2108 UNIVERSITY AVE		ST.PAUL	MN	55114	612-646-7833
RINGLER MOTORS, INC.	1555 FERNDALE AVENUE		JOHNSTOWN	PA	15905-3403	814-288-1577
RIVERSTATES TRUCK AND TRAILER	508 MONITOR STREET	P O BOX 2075	LA CROSSE	WI	54602	608-784-1149
ROAD MACHINERY & SUPPLIES CO.	5633 W HWY 13		SAVAGE	MN	55378	612-895-9595
ROBERTS MOTOR CO	550 NE COLUMBIA BLVD		PORTLAND	OR	97211	503-240-6282
ROSEAU DIESEL SERVICE INC.	112 2ND STREET S.W.		ROSEAU	MN	56751	218-463-1712
RUPP RENTAL & SALES	101 GREAT ARROW AVENUE		BUFFALO	NY	14216	716-877-1992
RUSTY ECK FORD, INC.	7310 EAST KELLOGG		WICHITA	KS	67207	316-685-9211
SAHLING KENWORTH INC.	2737 SOUTH LINCOLN AVENUE		YORK	NE	68467	402-362-6645
SANDERS TRUCK SALES	HWY 301 NORTH		ALLENDALE	SC	29810	803-584-3461
SEA-TAC FORD	11000 PACIFIC HWY SOUTH		SEATTLE	WA	98168	206-763-9100
SIERRA FREIGHTLINER	1550 E. GREG ST.		SPARKS	NV	89431	888-331-2550
SIERRA INTERNATIONAL	1670 S. VALLEY		LAS CRUCES	NM	88005	505-523-2456
SIOUX CITY KENWORTH/VOLVO	4535 HARBOR DRIVE		SIOUX CITY	IA	51111	712-258-2444
SIOUX CITY TRUCK SALES	4135 HARBOR DRIVE		SIOUX CITY	IA	51102	712-252-4566
SIOUX FALLS KENWORTH	4500 NORTH CLIFF AVENUE		SIOUX FALLS	SD	57104	605-332-7112
SOUTH TEXAS FREIGHTLINER, INC.	3103 NORTH CAGE BLVD.		PHARR	TX	78577	210-702-1400
SOUTHLAND TRUCK CENTER	673 E BROOKS RD		MEMPHIS	TN	38116	901-332-8990
SOUTHWEST INTERNATIONALTRUCKS,INC.	617 NORTH FREEWAY		FT WORTH	TX	76102	817-336-4651
SOUTHWEST TRUCK SALES	10901 GATEWAY WEST		EL PASO	TX	79935	915-593-2641
SPOKANE FREIGHTLINER, INC.	5615 E. THIRD		SPOKANE	WA	99220	509-535-3626
SPRINGFIELD FREIGHTLINER SALES	3020 E DIVISION		SPRINGFIELD	MO	65802	417-862-5050
ST.CLOUD TRUCK SALES	701 15TH AVE SOUTH	P.O. BOX 1475	ST.CLOUD	MN	56302	320-251-0931
STADIUM INTERNATIONAL TRUCKS	578 CONKLIN ROAD		BINGHAMTON	NY	13903	607-724-9125

Low NOx Rebuild

**Dealer Recalibration Facilities
(Locations with ESDN)**

STEWART INTERNATIONAL, INC.	1944-A N. 9TH ST.	SALINA	KS	67401	913-827-0336
STOOPS FREIGHTLINER QUALITY TRAILER	1851 W THOMPSON ROAD	INDIANAPOLIS	IN	46217	317-788-1533
SUNBURY MOTOR COMPANY	943 N. 4TH STREET	SUNBURY	PA	17801	717-286-7746
TAMPA VOLVO AND GMC TRUCKS	7520 U.S. HIGHWAY 301 NORTH	TAMPA	FL	33637	813-988-3548
TEXAS KENWORTH	510 REALTOR DRIVE	TEXARKANA	AR	75504	870-772-9545
TEXAS KENWORTH CO.	2520 BERNER STREET	FT WORTH	TX	76111	817-740-2300
TEXAS KENWORTH CO.	4040 IRVING BLVD.	DALLAS	TX	75247	214-920-7300
TEXAS KENWORTH CO.	6917 WOODWAY DRIVE	WACO	TX	76712	817-776-7210
THOMPSON MOTORS	125 SOUTH GOLD STREET	WYKOFF	MN	55990	507-352-2435
TIELLEN'S REPAIR SERVICE INC	3700 DUTCHMAN ROAD	GREEN BAY	WI	54311	920-863-2967
TIMMONS INTL INC.	7605 COLISEUM BLVD.	ALEXANDRIA	LA	71303	318-448-6211
TOM BOLAND FORD	U S 61 NORTH AT MO 168	HANNIBAL	MO	63401	573-221-9350
TOM NEHL TRUCK CO.	3801 E. US HWY 90	LAKE CITY	FL	32055	904-755-9527
TRACTOR & EQUIPMENT CO.	5336 AIRPORT HWY.	BIRMINGHAM	AL	35201	205-591-2131
TRANSWEST TRUCKS INC.	12901 US HWY 66 WEST FRONTAGE	ALBUQUERQUE	NM	87121	505-833-1000
TRI COUNTY MOTOR SALES, INC.	1575 FERNDALE AVENUE	JOHNSTOWN	PA	15905-3403	814-288-1551
TRI STATE FREIGHTLINER, INC.	218 TURNPIKE ROAD	SOUTHBORO	MA	1772	508-481-3500
TRIA FREIGHTLINER	I-40 & HWY 68	GREENSBORO	NC	27419	910-668-0911
TRI-COUNTY INTERNATIONAL	5701 WYOMING AVENUE	DEARBORN	MI	48121	313-584-7090
TRIPLE T PARTS & EQUIP	ROUTE 421 NORTH	WILMINGTON	NC	28402	910-763-6281
TRUCK CENTER OF NORFOLK	1304 TAHAZOUKA ROAD	NORFOLK	NE	68702	402-379-8669
TRUCK CENTERS INC	157 AND 164	MT VERNON	IL	62864	618-244-2545
TRUCK CENTERS INC	2100 FORMOSA ROAD	TROY	IL	62294	618-667-3454
TRUCK CENTERS INC/ ST. LOUIS	747 E. TAYLOR	ST. LOUIS	MO	63147	314-389-3800
TRUCK CENTERS, INC.	2981 E. SINGER AVE.	SPRINGFIELD	IL	62703	217-525-1280
TRUCK CENTERS, INC.	3901 N. MAIN ST.	EAST PEORIA	IL	61611	309-694-4292
TRUCK COUNTRY OF CEDAR RAPIDS	700-29TH AVE. S.W.	CEDAR RAPIDS	IA	52404	319-365-0531
TRUCK COUNTRY OF IOWA	10703 ROUTE 61	DUBUQUE	IA	52004-0693	800-553-3642
TRUCK COUNTRY OF WISCONSIN	2435 TRAILWOOD LANE	ROTHCHILD	WI	54455	800-348-9195
TRUCK COUNTRY OF WISCONSIN	4195 ANDERSON ROAD	DE FOREST	WI	53532	608-249-1090
TRUCK COUNTRY OF WISCONSIN	700 RANDOLPH AVE.	APPLETON	WI	54915	920-788-9002
TRUCK ENTERPRISES	3440 S. MAIN ST	HARRISONBURG	VA	22801	540-433-2631
TRUCKS INC	W2541 COUNTY KK	MONROE	WI	53566	608-328-8171
TRUCKS INCORPORATED	330 SO INTERSTATE DR.	SIKESTON	MO	63801	573-472-2650
TRUCKS OF BISMARCK	3955 EAST DIVIDE AVE	BISMARCK	ND	58501	701-223-5235
TULSA FREIGHTLINER	5104 WEST 60TH STREET	TULSA	OK	74131	918-445-5300
TULSA TRUCKS, INC.	3230 SOUTHWEST BLVD	TULSA	OK	74107	918-446-3307
UTILITY PETERBILT	4255 S. HARDING	INDIANAPOLIS	IN	46217	317-788-0299
VOLVO & GMC - FOREST PARK	700 RUSKIN DR	FOREST PARK	GA	30050	404-363-8390
WAUKESHA PEARCE INDUSTRIES, INC.	12320 SOUTH MAIN STREET	HOUSTON	TX	77035	713-723-1050
WAUSAU TRUCK CENTER	4705 RIB MOUNTAIN ROAD	WAUSAU	WI	54401	715-359-4216
WEST CAROLINA FREIGHTLINER INC	100 HIGHLAND CENTER BLVD.	ASHEVILLE	NC	28816	828-667-3833
WEST CAROLINA FREIGHTLINER INC.	630 HWY 70 SOUTHEAST	HICKORY	NC	29602	704-322-8620
WESTERN OHIO TRUCK COMPANY	598 EAST HANTHORN	LIMA	OH	45802	419-228-4334
WESTERN STAR TRUCKS OF WICHITA DIVI	3737 NORTH BROADWAY	WICHITA	KS	67219	316-838-1477
WESTLIE CROSSROADS TRUCK CTR.	1401 20TH AVE S.E.	MINOT	ND	58702	701-857-1617
WHITEFORD FORD	4707 WESTERN AVE.	SOUTH BEND	IN	46619	219-234-9031
WHITEFORD FORD TRUCKS, FT WAYNE	3150 COLISEUM BLVD. W.	FT WAYNE	IN	46808	219-484-6220

Low NOx Rebuild

**Dealer Recalibration Facilities
(Locations with ESDN)**

WHITES HERRING TRACTOR & TRUCK	1700 US HWY 301
WIERS TRUCK SERVICE AND EQUIPMENT	2111 JIM NEU DRIVE
WILLETT TRUCK SERVICE	SOUTH SERVICE RD
WILLIAMS SERVICE	1101 N MAIN
WISCONSIN KENWORTH	6013 3M DRIVE
WISCONSIN KENWORTH	9350 S 22ND STREET
WITHAM PARTS & EQUIPMENT	2343 BIDDLE ROAD
YAKIMA FREIGHTLINER	1910 RUDKIN ROAD
YOUNG'S DIESEL SERVICE, INC.	909 OIL CENTER DRIVE
ZACHERL MOTOR TRUCK SALES INC.	GREENVILLE AVENUE EXT.
ZACHERL MOTOR TRUCK SLS, CLEARFIELD	1224 S. 2ND STREET

WILSON	NC 27893	919-291-0131
PLYMOUTH	IN 46563	219-936-4076
SULLIVAN	MO 63080	573-468-5138
FLORENCE	KS 66851	316-878-4225
MENOMONIE	WI 54751	715-235-5000
OAK CREEK	WI 53154-0707	414-761-5959
MEDFORD	OR 97504	541-773-6291
UNION GAP	WA 98903	509-248-9478
ABILENE	TX 79601	915-673-6178
CLARION	PA 16214	814-226-8584
CLEARFIELD	PA 16830	814-765-5559



Service Parts Topics

Date
September, 1999

T777

No.
99T19-9

File Group:
19 Engine Family
M11 L10 N14 ISX ISB ISC

Subject**Low NO_x Engine Rebuild Program**

T & R Manual

Shop Manual

O & M Manual

A R Manual

Specs Manual

Other

This service parts topic announces the Cummins Low NO_x Engine Rebuild Program. This applies to servicing and rebuilding Cummins on-highway automotive diesel engines with a dataplate indicating a Date of Manufacture between 1993 and 1998.

The following is a listing of the subjects that are covered:

- Low NO_x Rebuild program overview.
- When is a Low NO_x Rebuild required?
- Where will the Low NO_x Rebuild be required?
- When will Low NO_x kits (calibrations) be available?
- Impact of Low NO_x Rebuild program (e.g. performance, mpg, rebuild cost).
- ECM Calibration Reimbursement procedure.
- Parts information (Low NO_x Rebuild kit).

Low NO_x Rebuild Program

Program Overview

Cummins has established the Low NO_x Rebuild program in order to comply with the Field Engine Rebuild section of the 1998 EPA and CARB Consent Decrees. This rebuild process will include loading a new ECM calibration, which allows these engines to achieve a lower overall NO_x emission level after rebuild. This program applies to specific engines (identified by year, CPL, and ratings). This program includes specific procedures to be followed by the engine rebuilder to obtain the rebuild kit (including the Low NO_x calibration) at no cost to the rebuilder or customer.

A Low NO_x Rebuild consists of a new Low NO_x ECM calibration combined with the standard engine hardware (e.g. pistons, heads). A Low NO_x Rebuild Label is added to the engine near the engine dataplate to identify that a Low NO_x Rebuild has been performed.

A Low NO_x Rebuild Is required when one of the following occurs:

- **High-Mile Rebuild** — A rebuild is required to be a Low NO_x rebuild if a Low NO_x Calibration is available and the engine has operated more than 466,711 km [290,000 mi] (for Signature, L, M, and N) or 297,729 km [185,000 mi] (for ISB and ISC) and more than one major cylinder component (piston assembly, liner, rod, or ring set) is replaced in more than half of the cylinders.
- **Low-Mile Rebuilds** — In addition, at miles lower than listed above, a Low NO_x Rebuild must be performed (new calibration and label) if more than one major cylinder component (piston assembly, liner, rod, or ring set) is replaced in all cylinders.

The EPA has assigned the **engine rebuilder** with the primary responsibility to be certain that a Low NO_x Rebuild is completed if a Low NO_x kit is released. In addition, once a Low NO_x Rebuild kit is released, Cummins is required by the EPA to "only sell and use, and authorize the sale and use of" Low NO_x Rebuild kits for engines meeting the above rebuild criteria. Noncompliance with the Low NO_x Rebuild requirements will be treated as emissions tampering by the EPA.

Cummins is required to develop Low NO_x calibrations for 90 percent (by volume) of all the ISB, ISC, L, M, N, and Signature electronic engines produced from 1993 to 1998. In general, Cummins will use the exempt 10 percent to

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eliminate many of the low-volume ratings and CPLs. Details of the specific CPLs and ratings that are included in the Low NO_x Rebuild program will be communicated and updated via the Cummins Internet site (www.cummins.com), 1-800-DIESELS, and on the ESDN CD-ROM.

The terms of the Consent Decree apply to the United States, as well as the U.S. territories of Puerto Rico, the Virgin Islands of the United States, Samoa, the Mariana Islands (commonwealth of Northern Mariana Islands), and Guam. It does not apply (at this time) to rebuilds in Canada, Mexico, or other areas of the world.

Based upon the Consent Decree entry date, July 1, 1999, Cummins has established the following Low NO_x kit availability dates:

Initial Low NO _x Rebuild kits available	December 1, 1999
Low NO _x kits available for 50 percent of applicable engines	March 1, 2000
Low NO _x kits available for 100 percent of applicable engines	December 1, 2000

Engine rebuilds, or repairs performed as described above, on or after these dates will have to use the Low NO_x calibration, if one is available. In most cases, both the Low NO_x and the original calibration will be available on ESDN for some time, since customers will not be required to use the Low NO_x calibration until a rebuild is performed.

There is little or no impact on customers to have the Low NO_x Rebuild performed.

- No cost to the customer
- Little or no engine performance change
- No operational or gearing recommendation changes
- No oil drain interval change
- No engine hardware changes
- Little or no mpg change (most customers will not notice any difference).

ECM Recalibration Reimbursement Procedures

Warranty Alert 9904 will be issued in November 1999 to provide detailed instructions for the recalibration facility to recover ECM recalibration costs and any ECM freight costs. Both the customer name and address, as well as the rebuilder name and address, will be required, along with the engine serial number (ESN) and CPL/rating.

Low NO_x Rebuild Kit Availability

Cummins Low NO_x Rebuild kits will be available through Cummins aftermarket distribution. The rebuild kits will be stocked at each Cummins Distributor branch in the United States and will be made available (at no charge) through distributors to dealers, independent service points, and to customers upon request.

Kits will also be stocked at Cummins Memphis Parts Distribution Center (MPDC). The kits are available to distributors at no charge through the normal ordering process. Cummins aftermarket will stock the field on November 1, 1999, with an initial Automatic Ship Program. Each Cummins Distributor branch location will receive 25 kits at no charge. Subsequent restocking by distributors must be through normal part stock orders to the MPDC.

Distributors will make kits available to dealers, independent repair shops, or customers upon request. Dealers can stock kits if they wish.

Kit Part Number and Contents

The kit will be stocked under Part No. 3800888. The kit contains the following:

Engine Label

The EPA requires that each engine rebuilt under the Low NO_x Rebuild program be identified as having been rebuilt within the guidelines specific to that manufacturer.

Cummins will supply an adhesive label that will be applied to the engine near the engine dataplate.

Low NO_x Rebuild Instructions

This will provide detailed instructions.

NOTE: There is **no** incremental hardware necessary as part of a Low NO_x Rebuild, **only** an ECM recalibration.

ReCon® Engines

Cummins ReCon® engines will also incorporate the Low NO_x recalibrations when these calibrations become available. ReCon® will incorporate the new calibrations as a running change as soon as they are released. Each ECM will be identified with the new calibration code. There will be **no** change in ReCon® engine part numbers, order, or diesel ReCon® numbers.

ECM Recalibration

The Low NO_x Rebuild ECM Recalibration can be completed via two methods:

1. **On-engine** calibrations can be done at any Cummins Distributor Branch or any INSITE™/ESDN-equipped Cummins Dealer. A listing of the dealer locations with ESDN Dealer Site Licenses will be kept updated on-line through Cummins Internet (www.cummins.com), 1-800-DIESELS, and on the ESDN CD-ROM.
2. **Off-engine** calibrations can be done by taking or mailing the ECM to any Cummins Distributor Branch for recalibration and return. **Only** distributors are suggested for the off-engine process, since this process also requires ECM benchtop recalibration equipment.

Additional detailed information will be included with each Low NO_x Rebuild kit.